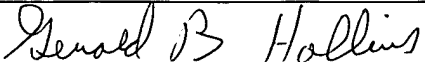


<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new non-provisional applications under 37 C.F.R. § 1.53(b))</small>		Attorney Docket No. <span style="float: right;">AFD 623</span>	
		First Inventor or Application Identifier <span style="float: right;">Mark A. Michalick</span>	U.S. PTO 10/690158 22154
		Title <span style="float: right;">OFF SUBSTRATE FLIP-CHIP APPARATUS AND METHOD</span>	
		Express Mail Label No. <span style="float: right;">EE 380648404 US</span>	
<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents		<b>ADDRESS TO:</b> MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450	
1. <input checked="" type="checkbox"/> *Fee Transmittal Form (e.g., PTO/SB/17) 2. <input type="checkbox"/> Applicant claims small entity status (See 37 CFR 1.27) 3. <input checked="" type="checkbox"/> Specification [ Total Pages <span style="border: 1px solid black; padding: 0 5px;">27</span> ] (Preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [ Total Sheets <span style="border: 1px solid black; padding: 0 5px;">10</span> ] 5. Oath or Declaration [ Total Pages <span style="border: 1px solid black; padding: 0 5px;">1</span> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies	
		<b>ACCOMPANYING APPLICATION PARTS</b>	
		9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 1.373(b) Statement <input checked="" type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) PTO/SB/08A <input checked="" type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input checked="" type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach for PTO/SB/35 or its equivalent. 17. <input checked="" type="checkbox"/> Other: Certificate of 37 CFR 1.10 Express Mailing	
18. If a <b>CONTINUING APPLICATION</b> , check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76 <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation in Part (CIP)    of prior application No: _____ Prior application information:    Examiner _____    Group / Art Unit _____ <b>For CONTINUATION or DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5B, is considered to be a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
<b>CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<div style="text-align: center; font-size: 1.2em;">26902</div> <div style="text-align: center; font-size: 0.8em;">(Insert Customer No. here)</div>	
		or <input type="checkbox"/> Correspondence address below	
Name	GERALD B. HOLLINS		
Address	AFMCLO/JAZ		
	BLDG 11, ROOM 100		
	2240 B STREET		
City	WRIGHT-PATTERSON AFB	State	OH
Country	U.S.A.	Telephone	(937) 255-2838
		Zip Code	45433-7109
		Fax	(937) 255-3733
Name (Print / Type)	GERALD B. HOLLINS		Registration No. (Attorney / Agent)
Signature			Date <u>Oct 16, 2003</u>

101603

# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

Complete if Known

Application Number

Filing Date

First Named Inventor

Mark A. Michalick

Examiner Name

(not assigned)

Group Art Unit

Attorney Docket Number

AFD 623

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 770.00)

## METHOD OF PAYMENT

☐ Check ☐ Credit ☐ Money ☐ Other ☐ None  
☒ Deposit Account card Order

Deposit Account Number

AF 01-0465

Deposit Account Name

Department of the Air Force

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
Code (\$)	Code (\$)		
1001 770	2001 385	Utility Filing Fee	770
1002 340	2002 170	Design Filing Fee	
1003 530	2003 265	Plant Filing Fee	
1004 770	2004 385	Reissue Filing Fee	
1005 160	2005 80	Provisional Filing Fee	

SUBTOTAL (1)

\$ 770.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
20 - 20** =	0	18	0
Indep. Claims 3 - 3** =	0	86	0
Multiple Dependent			

Large Entity Fee	Small Entity Fee	Fee Description
Code (\$)	Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	**Reissue independent claims over original patent
1205 18	2205 9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

\$ 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Code	Small Entity Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65			Surcharge - late filing fee or oath	
1052 50	2052 25			Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130			Non-English specification	
1812 2,520	1812 2,520			For filing a request for ex parte reexamination	
1804 920*	1804 920*			Requesting publication of SIR prior to Examiner Action	
1805 1,840*	1805 1,840*			Requesting publication of SIR after Examiner action	
1251 110	2251 55			Extension for reply within first month	
1252 420	2252 210			Extension for reply within second month	
1253 950	2253 475			Extension for reply within third month	
1254 1,480	2254 740			Extension for reply within fourth month	
1255 2,010	2255 1,005			Extension for reply within fifth month	
1401 330	2401 165			Notice of Appeal	
1402 330	2402 165			Filing a brief in support of an appeal	
1403 290	2403 145			Request for oral hearing	
1451 1,510	1451 1,510			Petition to institute a public use proceeding	
1452 110	2452 55			Petition to revive - unavoidable	
1453 1,330	2453 665			Petition to revive - unintentional	
1501 1,330	2501 665			Utility issue fee (or reissue)	
1502 480	2502 240			Design issue fee	
1503 640	2503 320			Plant issue fee	
1460 130	1460 130			Petitions to the Commissioner	
1807 50	1807 50			Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180			Submission of Information Disclosure Stmt	
8021 40	8021 40			Recording each patent assignment per property (times number of properties)	
1809 770	2809 385			Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385			For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385			Request for Continued Examination (RCE)	
1802 900	1802 900			Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$ 0

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	GERALD B. HOLLINS	Registration. No.	25,452	Telephone	(937) 255-2838
Signature	Gerald B Hollins	Date			Oct 16, 2003
Typed or Printed Name		Registration. No.		Telephone	
Signature	Gerald B Hollins	Date			Oct 16, 2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Mark A. Michalicek

Serial No.: (AFD 623)

Filed:

For: OFF SUBSTRATE FLIP-CHIP APPARATUS AND METHOD

Group Art Unit:

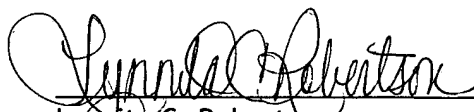
Examiner: (not assigned)

**CERTIFICATE OF MAILING**  
**BY "EXPRESS MAIL" UNDER 37 CFR 1.10**

"Express Mail" mailing label number EE 380648404 US

Date of Deposit: October 16, 2003

I certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above from AFMCLO/JAZ, Bldg 11, Room 100, 2240 B Street, Wright-Patterson Air Force Base, Ohio 45433-7109 and is addressed to MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

  
\_\_\_\_\_  
Lynrita C. Robertson  
Legal Instruments Examiner

L.C. Robertson  
937/255-2838

**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor Mark A. Michalicek  
Title OFF SUBSTRATE FLIP-CHIP  
APPARATUS AND METHOD  
Atty Docket Number AFD 623

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 1.22(b).

OCT 16 2003  
Date

Gerald B Hollins  
Signature

GERALD B. HOLLINS  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and be submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 US.C. 122(b)(2)(B)(iii)).**